DRW.108-OC14D, 14M, DOUBLE CIRCUIT, INTERMIDIATE STRUCTURE, 0°

ALL DIMENSIONS ARE IN MILLIMETER

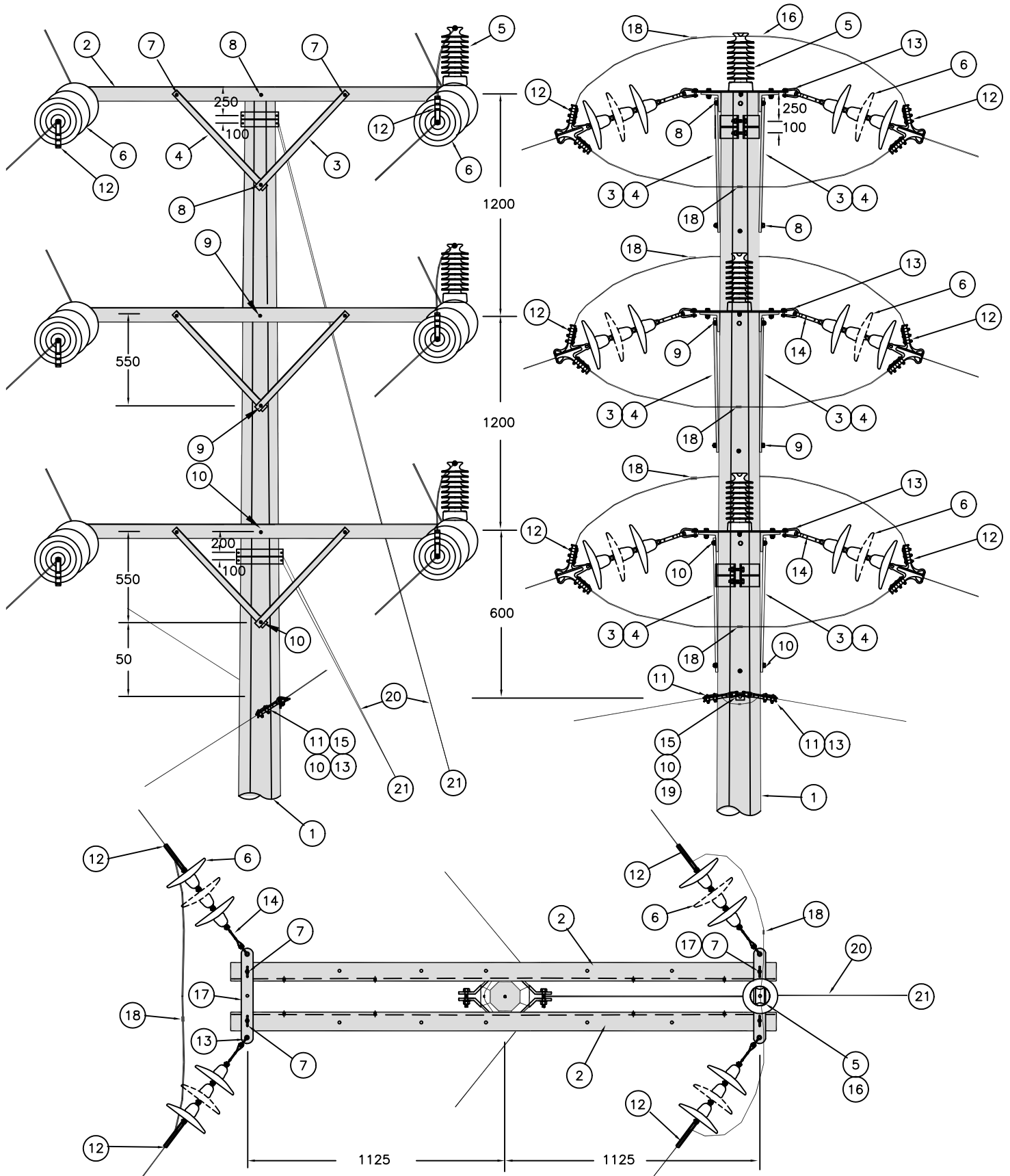
SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14D - 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	6	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	6 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	6 Set	Preformed Line Post Insulator Top Tie For Merlin With Armour	20-SDMS-02	Fig. 35
10	6	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	3	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
14	1	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
15	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
16	2	Buckle Type, Locking Clip, Barbed Wire	20-SDMS-02	Fig. 13
17	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
18	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.108A-OC14D,14M, DOUBLE CIRCUIT, INTERMEDIATE STRUCTURE 0°

DRW.109-OC14D, 14M, DOUBLE CIRCUIT, LIGHT ANGLE STRUCTURE
6°-15° WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14D – 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	6	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	6 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	6 Set	Preformed Line Post Insulator Side Tie For Merlin ACSR/AW W/Armour	20-SDMS-02	Fig. 36
10	6	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	3	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
14	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Mim)		
15	1 Set	M.V.-D.C. Two Stay Assembly	20-SDMS-02	Drw. 305
16	1	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
17	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
18	2	Buckle Type, Locking Clip, Barbed Wire	20-SDMS-02	Fig. 13
19	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
20	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.109A-OC14D, 14M, DOUBLE CIRCUIT, LIGHT ANGLE STRUCTURE 6°-15° WITH STAYS

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250
100
1200
1200
600
550
550
200
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250
100
1125
1125
DRW.110-OC14D, 14M, DOUBLE CIRCUIT
MEDIUM ANGLE STRUCTURE, 16°-60° WITH STAYS
ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14D – 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	12 Set	Suspension Insulator	15-SDMS-01	Page 23
07	24	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Strain Clamp, Straight Line Deadend Type For Quail	20-SDMS-02	Fig. 30
12	12	Strain Clamp, 3 U-Bolts Type For Merlin	20-SDMS-02	Fig. 29
13	14	Anchor Shackle	20-SDMS-02	Fig. 20
14	12	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
16	3	Preformed Line Post Insulator Top Tie for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	6	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
19	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
20	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-D.C. Two Stay Assembly	20-SDMS-02	Drw. 307
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
23	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.110A-OC14D, 14M, D.C. MEDIUM ANGLE STRUC. 16°-60° W/STAYS

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14D – 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	12 Set	Suspension Insulator	15-SDMS-01	Page 23
07	24	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Strain Clamp, Straight Line Deadend Type For Quail	20-SDMS-02	Fig. 30
12	12	Strain Clamp, 3 U-Bolts Type For Merlin	20-SDMS-02	Fig. 29
13	14	Anchor Shackle	20-SDMS-02	Fig. 20
14	12	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
16	3	Preformed Line Post Insulator Top Tie for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	6	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
19	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
20	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
21	2 Set	M.V.-D.C. Two Stay Assembly	20-SDMS-02	Drw. 306
22	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49&50
23	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
24	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
25	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
26	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm ACSR/AW, MERLIN		

DRW.111A-OC14D, 14M, DOUBLE CIRCUIT, HEAVY ANGLE STRUCTURE 61°-90° WITH STAYS

DRW.112-OC14D, 14M, DOUBLE CIRCUIT, SECTION STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14D – 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	12 Set	Suspension Insulator	15-SDMS-01	Page 23
06	24	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Strain Clamp, Straight Line Deadend Type For Quail	20-SDMS-02	Fig. 30
11	12	Strain Clamp, 3 U-Bolts Type For Merlin	20-SDMS-02	Fig. 29
12	14	Anchor Shackle	20-SDMS-02	Fig. 20
13	12	Clevis Eye Extension	20-SDMS-02	Fig. 21
14	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
15	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
16	6	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
17	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
18	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
19	1 Set	M.V.-D.C. Section Stay Assembly	20-SDMS-02	Drw. 308
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.112A-OC14D,14M, DOUBLE CIRCUIT, SECTION STRUCTURE WITH STAYS

DRW.113-OC14D,14M, DOUBLE CIRCUIT, TERMINAL STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14D – 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	6 Set	Suspension Insulator	15-SDMS-01	Page 23
06	24	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Machine Bolt, M20x310mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	1	Strain Clamp, Straight Line Deadend Type For Quail	20-SDMS-02	Fig. 30
11	6	Strain Clamp, 3 U-Bolts Type For Merlin	20-SDMS-02	Fig. 29
12	7	Anchor Shackle	20-SDMS-02	Fig. 20
13	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
14	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
15	6	Parallel Groove Clamp, Three Bolt Type for Merlin ACSR Conductor	20-SDMS-02	Fig.
16	1	Parallel Groove Clamp, Two Bolt Type for Quail ACSR Conductor	20-SDMS-02	Fig.
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
19	2 Set	M.V.-D.C. Two Stay Assembly	20-SDMS-02	Drw. 307
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.113A-OC14D,14M, DOUBLE CIRCUIT, TERMINAL STRUCTURE WITH STAYS

DRW.114-OC15S/D,15M, DOUBLE CIRCUIT, INTERMEDIATE STRUCTURE 0°

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	6	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	6 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	6 Set	Preformed Line Post Insulator Top Tie For Merlin ACSR/AW W/Armour	20-SDMS-02	Fig. 35
10	6	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	4	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
14	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
15	2	Buckle Type, Locking Clip, Barbed Wire	20-SDMS-02	Fig. 13
16	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
17	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.114A-OC15S/D,15M, DOUBLE CIRCUIT, INTERMEDIATE STRUCTURE 0°

75 1125 1125 75

50

550

550

550

200

1200

1200

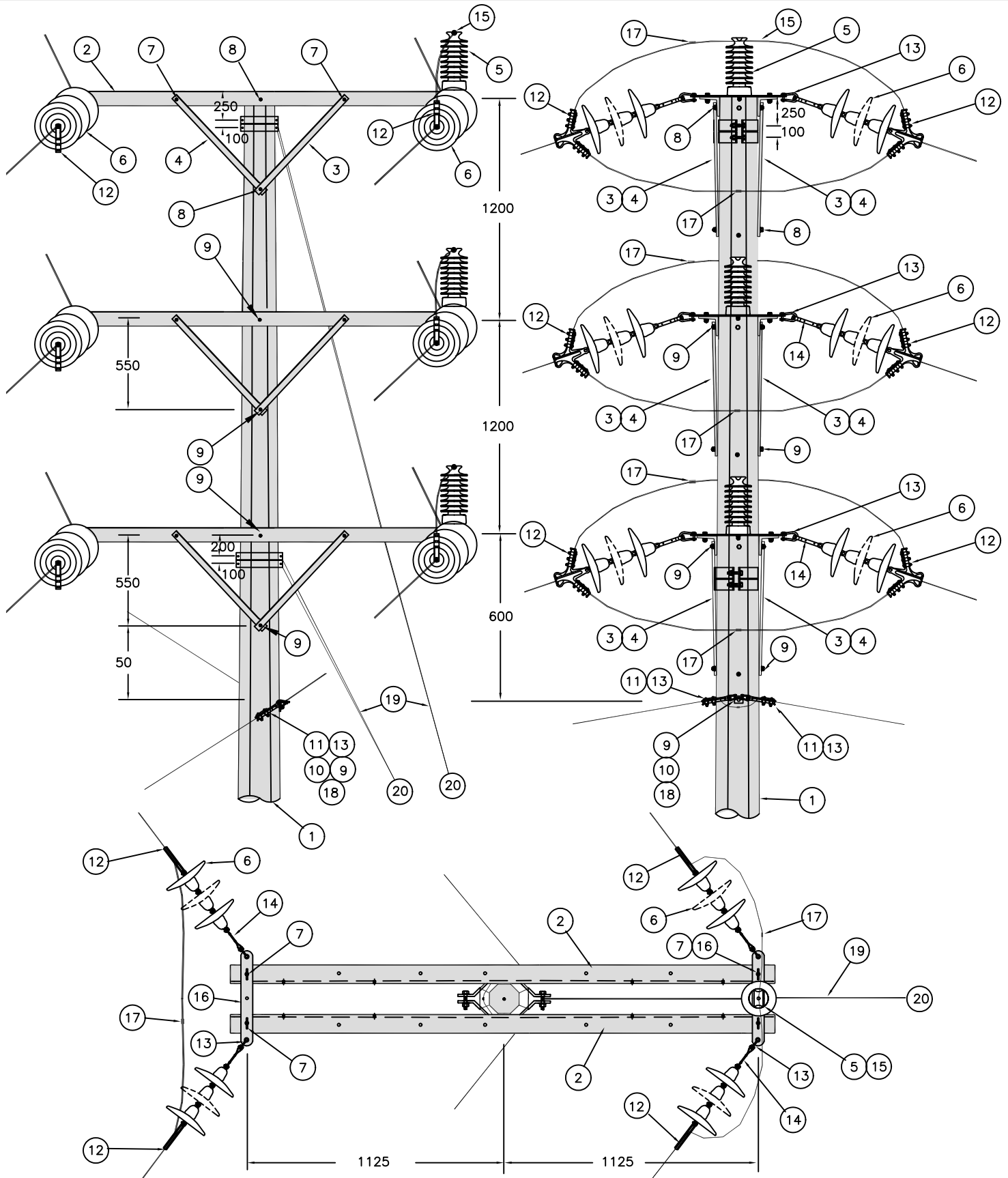
600

50

DRW.115-OC15S/D, 15M, DOUBLE CIRCUIT, LIGHT ANGLE STRUCTURE 1°-15° WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	3	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
06	6	Line Post Insulator	15-SDMS-01	Clause 4.2.8
07	6 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	6 Set	Preformed Line Post Insulator Side Tie For Merlin ACSR/AW W/Armour	20-SDMS-02	Fig. 36
10	6	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	4	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
14	1 Set	M.V.-D.C. Two Stay Assembly	20-SDMS-02	Drw. 306
15	1	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
16	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
17	2	Buckle Type, Locking Clip, Barbed Wire	20-SDMS-02	Fig. 13
18	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
19	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.115A-OC15S/D, 15M, DOUBLE CIRCUIT, LIGHT ANGLE STRUCTURE 1°-15° WITH STAYS

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250
100
1200
550
1200
200
100
550
600
50
1125
1125
DRW.116-OC15S/D, 15M, DOUBLE CIRCUIT
MEDIUM ANGLE STRUCTURE, 16°-60° WITH STAYS
ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	12 Set	Suspension Insulator	15-SDMS-01	Page 23
07	24	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	5	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
11	2	Strain Clamp, Straight Line Deadend Type For Quail	20-SDMS-02	Fig. 30
12	12	Strain Clamp, 3 U-Bolts Type For Merlin	20-SDMS-02	Fig. 29
13	14	Anchor Shackle	20-SDMS-02	Fig. 20
14	12	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	3	Preformed Line Post Insulator Top Tie for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
16	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
17	6	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
18	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
19	63M	Stay Wire, 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	2 Set	M.V.-D.C. Two Stay Assembly	20-SDMS-02	Drw. 307
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.116A-OC15S/D, 15M, DOUBLE CIRCUIT, MEDIUM ANGLE STRUCTURE 16°-60° WITH STAYS

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250
100
200
1200
1200
600
550
550
50
1125
1125
DRW.117-OC15S/D, 15M, DOUBLE CIRCUIT
HEAVY ANGLE STRUCTURE, 61°-90° WITH STAYS
ALL DIMENSIONS ARE IN MILLIMETER

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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	12 Set	Suspension Insulator	15-SDMS-01	Page 23
07	24	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	5	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
11	2	Strain Clamp, Straight Line Deadend Type For Quail	20-SDMS-02	Fig. 30
12	12	Strain Clamp, 3 U-Bolts Type For Merlin	20-SDMS-02	Fig. 29
13	14	Anchor Shackle	20-SDMS-02	Fig. 20
14	12	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	3	Preformed Line Post Insulator Top Tie for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
16	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
17	6	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
18	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
19	63M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	2 Set	M.V.-D.C. Two Stay Assembly	20-SDMS-02	Drw. 307
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.117A-OC15S/D, 15M, DOUBLE CIRCUIT, HEAVY ANGLE STRUCTURE 61°-90° WITH STAYS

DRW.118-OC15S/D, 15M, DOUBLE CIRCUIT, SECTION STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	12 Set	Suspension Insulator	15-SDMS-01	Page 23
06	24	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	5	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
10	2	Strain Clamp, Straight Line Deadend Type For Quail	20-SDMS-02	Fig. 30
11	12	Strain Clamp, 3 U-Bolts Type For Merlin	20-SDMS-02	Fig. 29
12	14	Anchor Shackle	20-SDMS-02	Fig. 20
13	12	Clevis Eye Extension	20-SDMS-02	Fig. 21
14	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
15	6	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
16	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
17	63M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
18	1 Set	M.V.-D.C. Section Stay Assembly	20-SDMS-02	Drw. 308
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.118A-OC15S/D,15M, DOUBLE CIRCUIT, SECTION STRUCTURE WITH STAYS

Saudi Electricity Company الشركة السعودية للكهرباء

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Dated: 24–06–2003

DRW.119–OC15S/D,15M, DOUBLE CIRCUIT, TERMINAL STRUCTURE WITH STAYS

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC15S/D – 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace – L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace – L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	6 Set	Suspension Insulator	15-SDMS-01	Page 23
06	24	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	Fig. 15
07	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	5	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Strain Clamp, Straight Line Deadend Type For Quail	20-SDMS-02	Fig. 30
10	6	Strain Clamp, 3 U-Bolts Type For Merlin	20-SDMS-02	Fig. 29
11	7	Anchor Shackle	20-SDMS-02	Fig. 20
12	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
13	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
14	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
15	6	Parallel Groove Clamp, Three Bolt Type for Merlin ACSR Conductor	20-SDMS-02	Fig.
16	1	Parallel Groove Clamp, Two Bolt Type for Quail ACSR Conductor	20-SDMS-02	Fig.
17	63M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
18	2 Set	M.V.-D.C. Two Stay Assembly	20-SDMS-02	Drw. 307
19	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
20	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
21	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
22	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
23	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.119A-OC15S/D, 15M, DOUBLE CIRCUIT, TERMINAL STRUCTURE W/STAYS